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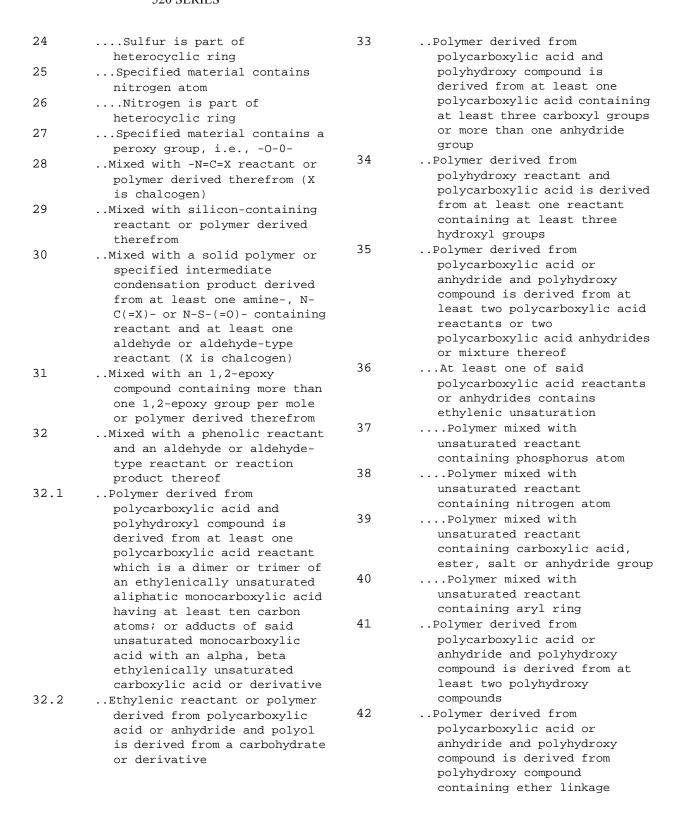
This Class 525 is considered to be an integral part of Class 520 (see the Class 520 schedule for the position of this Class in schedule hierarchy). This Class retains all pertinent definitions and class lines of Class 520

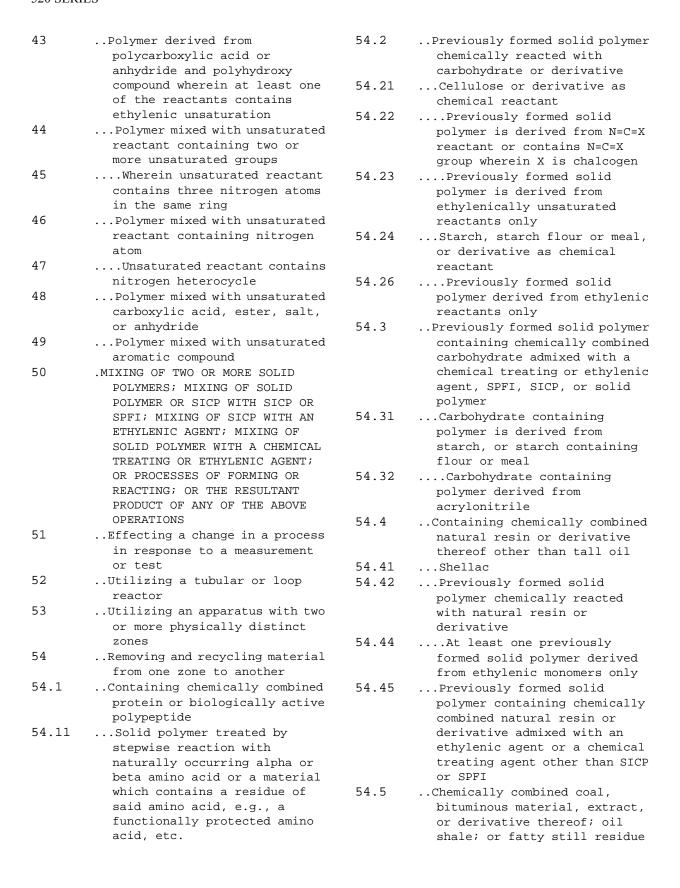
#### SYNTHETIC RESINS (CLASS 520, SUBCLASS 1)

- 7 .ETHYLENICALLY UNSATURATED
  REACTANT ADMIXED WITH A
  PREFORMED REACTION PRODUCT
  DERIVED FROM: (a) AT LEAST ONE
  POLYCARBOXYLIC ACID, ESTER, OR
  ANHYDRIDE; (b) AT LEAST ONE
  POLYHYDROXY COMPOUND; AND (c)
  AT LEAST ONE FATTY ACID
  GLYCEROL ESTER, OR A FATTY
  ACID OR SALT DERIVED FROM A
  NATURALLY OCCURRING GLYCERIDE,
  TALL OIL, OR A TALL OIL FATTY
  ACID
- 7.1 ..Mixed in the presence of a specified material
- 7.2 ..Mixed with silicon-containing reactant or polymer derived therefrom
- 7.3 ..Mixed with aldehyde or derivative as reactant or polymer derived therefrom
- 7.4 ..Mixed with previously formed solid polymer or SPFI
- 8 .ETHYLENICALLY UNSATURATED
  REACTANT ADMIXED WITH A
  PREFORMED REACTION PRODUCT
  DERIVED FROM: (a) AT LEAST ONE
  POLYCARBOXYLIC ACID, ESTER, OR
  ANHYDRIDE; (b) AT LEAST ONE
  POLYHYDROXY COMPOUND; AND (c)
  AT LEAST ONE NATURAL RESIN,
  PROTEIN, OR BIOLOGICALLY
  ACTIVE POLYPEPTIDE, OR
  CARBOHYDRATE OR DERIVATIVE

- .ETHYLENICALLY UNSATURATED REACTANT ADMIXED WITH EITHER (A) A POLYMER DERIVED FROM A SATURATED DI- OR HIGHER ESTER OF A POLYCARBOXYLIC ACID AS SOLE REACTANT, OR (B) REACTION PRODUCT OF ONLY POLYCARBOXYLIC ACIDS OR ANHYDRIDES WITH ONLY COMPOUNDS HAVING AT LEAST TWO HYDROXYL GROUPS AT LEAST ONE OF WHICH IS SATURATED AND WHEREIN THE REACTION PRODUCT FORMED IS NOT AFTERTREATED PRIOR TO ADMIXTURE WITH THE UNSATURATED REACTANT EXCEPT WITH A POLYCARBOXYLIC ACID, POLYCARBOXYLIC ACID ANHYDRIDE, OR A POLYOL, AND WHEREIN NO SOLID POLYMER DERIVED FROM ETHYLENIC REACTANTS ONLY IS MIXED THEREWITH
- 11 ..Mixed in presence of specified material or a polymerizable composition contains a specified material
- 12 ...Specified material contains boron or silicon atom
- 13 ...Specified material contains metal atom other than from group IA metal atom (Li, Na, K, Rb, Cs, Fr)
- 14 ....Material contains Group IB metal atom (Cu, Ag, Au)
- 15 ....Material contains Group IIB metal atom (Zn, Cd, Hg) or IIIA metal atom (Al, Ga, In, Tl)
- 16 ....Material contains Group VB metal atom (V, Nb, Ta)
- 17 ....Material contains Group VIII metal atom (Fe, Co, Ni, Ru, Rh, Pd, Os, Ir, Pt)
- 18 ....Material contains Group IVA metal atom (Ge, Sn, Pb)
- 19 ....Material contains Group IIA
   metal atom (Be, Mg, Ca, Sr,
   Ba, Ra)
- 20 ...Specified material contains phosphorus atom
- 21 ...Specified material contains ketone group
- 22 ...Specified material contains an aldehyde or derivative thereof
- 23 ...Specified material contains sulfur atom

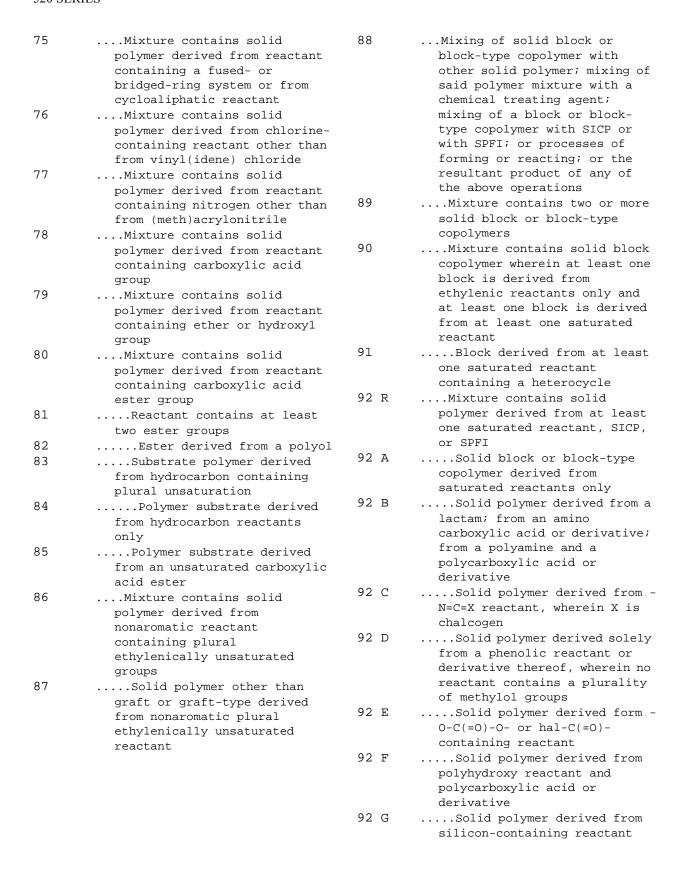
#### 525 - 2 CLASS 525 SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES





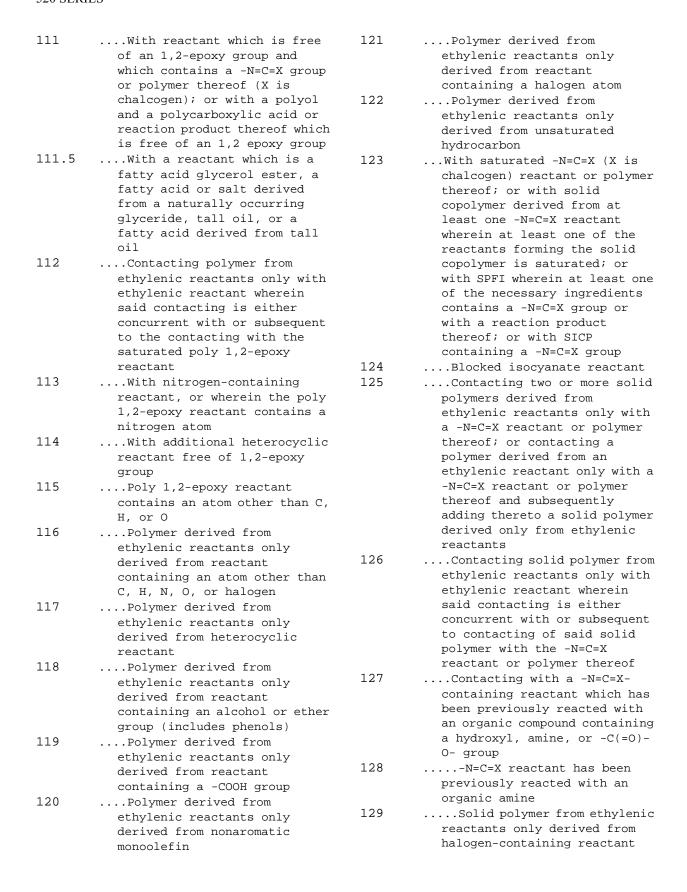
# 525 - 4 CLASS 525 SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES

55	At least one solid polymer derived from ethylenic reactants only	67	With solid polymer derived from at least one hal-C(=0)-hal, O-C(=0)-O or hal-C(=0)-O-
56			reactant wherein at least one
	Polyvinyl alcohol		of the reactants forming the
57	With solid polymer derived		3
	from ethylenic reactants only		solid polymer is saturated; or
58	With SICP, SPFI, or polymer		with SPFI wherein at least one
	thereof		of the necessary ingredients
59	With ethylenic reactant		is a hal- $C(=0)$ -hal, $O-C(=0)-0$ ,
60	Interpolymers		or hal-C(=0)-O containing
61	Chemical modification		reactant or reaction product
91			thereof; or with a SICP
	utilizing a chemical treating		containing a hal-C(=0)- or 0-
	agent		C(=0)-0- group
62	Processes only of preparing	68	
	polyvinyl alcohol	00	With solid polymer derived
63	Mixing of solid graft or		from at least one phenolic
0.5	graft-type copolymer with		reactant wherein at least one
			of the reactants forming the
	other solid polymer wherein		solid polymer is saturated; or
	one of said solid polymers is		with SPFI wherein at least one
	not derived from ethylenic		of the necessary ingredients
	reactants only; mixing of said		is a phenolic reactant or with
	polymer mixture with a		a reaction product thereof; or
	chemical treating agent; or		with phenolic-containing SICP
	mixing of graft or graft-type	60	_
	copolymer with a SICP or SPFI;	69	Solid graft or graft-type
	or processes of forming or		copolymer contains backbone
	reacting; or the resultant		derived from ethylenic
	product of any of the above		reactants only
		70	Mixing of solid graft or
<i>C</i> 1	operations		graft-type copolymer derived
64	Solid graft or graft-type		from ethylenic reactants only
	copolymer derived from		with other solid polymer
	ethylenic reactants only		derived from ethylenic
65	With saturated 1,2-epoxy		reactants only; or treating
	reactant containing more than		_
	one 1,2-epoxy group per mole		said mixture with chemical
	or polymer derived therefrom;		treating agent; or processes
	or with solid copolymer		of forming or reacting; or the
	derived from at least one		resultant product of any of
			the above operations
	unsaturated 1,2-epoxy reactant	71	Contains two or more graft or
	wherein the epoxy reactant		graft-type copolymers or a
	contains more than one 1,2-		graft or a graft type
	epoxy group per mole and at		copolymer and at least one
	least one saturated reactant		
66	With solid polymer derived		block or block-type copolymer
	from at least one nitrogen-	72	Mixture contains solid
	containing reactant wherein at		polymer derived from reactants
	least one of the reactants		containing an atom other than
			C, H, O, N, or chlorine
	forming the solid polymer is	73	Mixture contains solid
	saturated; or with SPFI		polymer derived from reactant
	wherein at least one of the		containing nitrogen
	necessary ingredients contains		heterocycle
	a nitrogen atom or with a	71	
	reaction product thereof; or	74	Mixture contains solid
	with nitrogen-containing SICP		polymer derived from reactant
	with nitrogen-containing SICP		polymer derived from reactant containing oxygen heterocycle



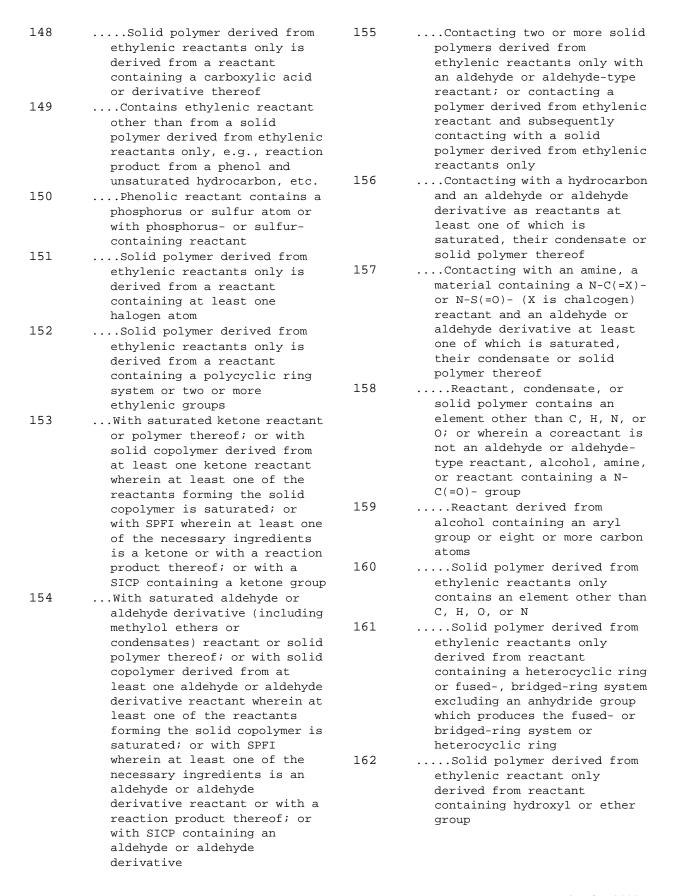
# 525 - 6 CLASS 525 SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES

92 H	Solid polymer derived from saturated 1,2-epoxy reactant containing more than one 1,2-epoxy group per molecule	101	Contacting with nonsilicon- containing SICP, nonsilicon- containing SPFI, or polymer thereof; or with two or more
92 J	Solid polymer derived from sulfur-containing reactant	102	solid polymersSi-H or Si-C reactant
92 K	Solid polymer derived from saturated aldehyde or aldehyde derivative material		contains an atom other than C, H, O, or Si bonded to a carbon atom
92 L	Solid polymer derived from heterocyclic material	103	Solid polymer from ethylenic reactants only is derived from
92 M	Solid polymer derived from saturated ketone reactant	104	heterocyclic reactantSolid polymer from ethylenic
93	Mixture contains solid polymer derived from reactant containing chalcogen		reactants only is derived from reactant containing halogen atom
94	Solid block or block-type copolymer derived from reactant containing carboxylic	105	Solid polymer from ethylenic reactants only is derived from plural unsaturated hydrocarbon
95	acid ester groupMixture contains solid block	106	Solid polymer from ethylenic reactants only is derived from
	or block-type copolymer		unsaturated hydrocarbon
	derived from ethylenically unsaturated hydrocarbon reactants only at least one of which contains at least four carbon atoms	107	With saturated 1,2-epoxy reactant containing more than one 1,2-epoxy group per mole or polymer derived therefrom; or with solid copolymer
96	With solid polymer derived from reactant containing an atom other than C, H or chalcogen		derived from at least one saturated reactant and at least one unsaturated 1,2-epoxy reactant wherein the
97	<pre>Mixture contains solid   polymer derived from reactant   containing a fused- or</pre>		epoxy reactant contains more than one 1,2-epoxy group per mole
98	<pre>bridged-ring systemSolid block or block-type copolymer derived from reactant containing plural unsaturation</pre>	108	Contacting two or more solid polymers derived from ethylenic reactants only with a poly 1,2-epoxy-containing reactant; or contacting a
99	With solid polymer derived from reactant containing plural unsaturation		solid polymer derived from ethylenic reactants only with a poly 1,2-epoxy-containing
100	<pre>With saturated Si-C or Si-H reactant or polymer thereof; or with solid copolymer</pre>		reactant and subsequently contacting with an additional polymer derived from ethylenic reactants only
	derived from at least one Si-C or Si-H reactant wherein at least one of the reactants	109	With phenolic reactant or polymer thereof and is free of
	forming the solid copolymer is saturated; or with SPFI wherein at least one of the necessary ingredients contains a Si-C or Si-H bond or with a reaction product thereof; or with a SICP containing a Si-H or Si-C bond	110	<pre>1,2-epoxy groupsWith reactant which is an   aldehyde, aldehyde derivative,   or polymer thereof, and which   is free of an 1,2-epoxy group   (included herein are alkylated   methylol groups)</pre>

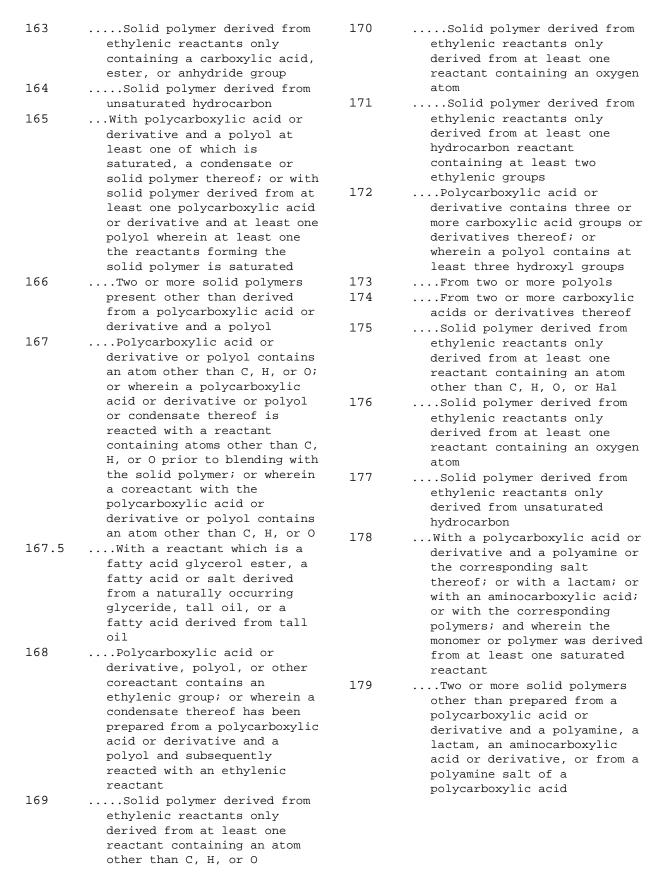


# 525 - 8 CLASS 525 SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES

130	Solid polymer from ethylenic reactants only derived from	137	Phenolic reactant prior to contact with aldehyde or
131	hydrocarbon reactantContacting with -N=C=X- containing reactant and with additional organic reactant		aldehyde-type reactant contains at least two aryl rings each of which contains phenolic substituents
132	containing a hydroxyl or amine group or polymer thereofWith saturated phenolic	138	With nonethylenic, nonaldehyde, or nonaldehyde- type reactant containing an
	reactant or polymer thereof; or with solid copolymer derived from at least one phenolic reactant wherein at least one of the reactants forming the solid copolymer is	139	atom other than C, H, or OSolid polymer derived from ethylenic reactants only is derived from reactant containing at least two ethylenic groups
	saturated; or with SPFI wherein at least one of the necessary ingredients is a phenolic reactant or with a reaction product thereof; or with a SICP containing a	140	Phenolic reactant has at least two nuclear carbon atoms directly bonded to extracyclic carbon atoms which extracyclic carbon atoms are not part of a methylol group
	phenolic group Si-H or Si-C bond	141	<pre>Solid polymer from   ethylenic reactants only is</pre>
133	<pre>Contacting two or more solid   polymers with a phenolic   reactant; or contacting a   solid polymer with a phenolic</pre>		derived from both a reactant containing two ethylenic groups and an acyclic monoethylenic hydrocarbon
	reactant and subsequently contacting the treated polymer with an additional solid polymer	142	Solid polymer derived from ethylenic reactants only is derived from a nitrogen- containing reactant
133.5	<pre>With a reactant which is a   fatty acid glycerol ester, a   fatty acid or salt derived   from a naturally occurring   glyceride, tall oil, or a</pre>	143	Solid polymer derived from ethylenic reactants only is derived from a reactant containing a carboxylic acid or derivative thereof
	fatty acid derived from tall oil	144	Solid polymer derived from ethylenic reactants only is
134	Contacting with aldehyde or aldehyde-type reactant or polymer therefrom		derived from a reactant containing at least one halogen atom
135	<pre>At least two distinct   phenols, phenol ethers,   inorganic phenolates, or   mixtures thereof prior to</pre>	145	Solid polymer derived from ethylenic reactants only is derived from an acyclic hydrocarbon
126	reaction with aldehyde or aldehyde-type reactant derived from tall oil	146	With a -O-C(=0)-O-, -O-C(=0)- hal or hal-C(=0)-hal group- containing reactant or polymer
136	Phenolic reactant prior to contact with aldehyde or aldehyde-type reactant contains an atom other than C, H, or O	147	<pre>thereofTwo or more diverse phenolic reactants; or phenolic reactant contains an atom other than C, H, or O</pre>



#### 525 - 10 CLASS 525 SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES



180	derivative contains three or more carboxylic acid groups; or polyamine contains three or more amino groups; or from an amino containing polycarboxylic acid or derivative other than amine solely in salt form; or from polyamino carboxylic acid or derivative other than wherein amino groups are solely in	191	Polymer mixture of two or more solid polymers derived from ethylenically unsaturated reactants only; or mixtures of said polymer mixture with a chemical treating agent; or products or processes of preparing any of the above mixturesTreating polymer or polymer mixture with a chemical treating agent other than
181	salt formWith ethylenically unsaturated reactant; or reactant contains a heterocyclic ring other than solely as a lactam or cyclic anhydride of a polycarboxylic acid	193 194 195 196 197 198	solid polymerAgent contains an ethylenic groupAgent is an organic materialContains a metal atomAgent contains a metal atomSpecified blending processWith subsequent physical
182	Solid polymer derived from ethylenically unsaturated reactant only is one derived from a reactant containing a heterocyclic ring and is other than solely a cyclic anhydride of a polycarboxylic acid	199	<pre>treatmentSolid polymer derived from   fluorine-containing ethylenic   reactantFluorine reactant contains   atoms other than C, H, or Hal</pre>
183	Solid polymer derived from ethylenically unsaturated reactant only is derived from a reactant containing a carboxylic acid or derivative	201	<ul><li>Solid polymer derived from metal-containing ethylenic reactant</li><li>Solid polymer derived from reactant containing an</li></ul>
184	Solid polymer derived from ethylenically unsaturated hydrocarbon	203	acetylenic groupSolid polymer derived from ethylenic reactant containing
185	With additional solid polymer derived from at least one nonethylenic reactant	204	a heterocyclic nitrogenHeterocyclic reactant contains at least two hetero
186	At least one reactant which forms additional polymer contains a heterocyclic ring	205	atoms in the same ring and at least one of which is nitrogenHeterocyclic reactant is an
187	Heterocyclic ring is an 1,2- epoxy ring	206	imide or lactamSolid polymer derived from
188	At least one reactant which forms additional polymer contains a phosphorus atom	0.27	reactant containing a chalcogen atom (O, S, Se, Te) as part of a heterocyclic ring
189	At least one reactant which forms additional polymer	207	Heterocyclic reactant contains anhydride groupHeterocyclic reactant
190	<pre>contains a sulfur atomAt least one reactant which forms additional polymer contains a carboxylic acid or derivative</pre>	209	contains 1,2-epoxy groupSolid polymer derived from reactant containing elements other than C, H, O, N, S, or ClSolid polymer derived from
			reactant containing a fused- or bridged- ring system

# 525 - 12 CLASS 525 SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES

211	Fused- or bridged-ring reactant contains at least two	230	Polymer derived from nitrogen-containing reactant
0.1.0	ethylenic groups	231	$\ldots$ Solid polymer derived from
212	Solid polymer derived from sulfur-containing reactant	232	oxygen-containing reactantSolid polymer derived from
213	Solid polymer derived from chlorine-containing reactant other than vinyl(idene)		reactant containing at least two ethylenic groups and is devoid of aryl ring
01.4	chloride	233	Polymer derived from
214	Halogenated hydrocarbon other than vinyl(idene) chloride	234	nitrogen-containing reactantAt least two polymers derived from nitrogen-
215	Halogenated hydrocarbon		containing reactants
213	contains at least two	235	Polymer derived from
	ethylenic groups and is devoid	233	halogen-containing reactant
	of an aryl ring	236	At least two polymers
216	Solid polymer derived from	230	derived from reactants
	cycloaliphatic-containing		containing two or more
	reactant		ethylenic groups and devoid of
217	Solid polymer derived from		an aryl ring
	reactant containing nitrogen	237	At least one of these
	atom other than from		polymers is derived from two
	(meth)acrylonitrile		or more reactants
218	Nitrogen reactant contains a	238	$\ldots$ Solid polymer derived from
	carboxylic acid amide group		(meth)acrylonitrile
219	Solid polymer derived from	239	Solid polymer derived from
	reactant containing a phenolic		<pre>vinyl(idene) chloride</pre>
220	groupSolid polymer derived from	240	Solid polymer derived from
220	reactant containing a carbonyl	241	ethylene or propylene
	group other than as part of a	241	Solid polymer derived from an aromatic hydrocarbon reactant
	carboxylic acid or derivative	242	Polymer derived from ethylenic
221	Solid polymer derived from	212	reactants only mixed with
	reactant containing a		ethylenic reactant
	carboxylic acid group	243	Reactions with ethylenic
222	Solid polymer derived from		reactants in two or more
	reactant containing a		diverse phases, e.g., bulk,
	carboxylic acid ester group		emulsion, melt, solution, etc.
223	Ester contains an oxygen	244	Contacting a solid polymer
	atom other than as part of a		derived from ethylenic
224	carboxylic acid ester groupEster derived from both an		reactants only with an
224			ethylenic reactant in the
	unsaturated carboxylic acid and an unsaturated alcohol		<pre>presence of a specified material</pre>
225	Ester contains at least two	245	Specified material contains
223	carboxylic acid ester groups	243	transition metal atom
226	Ester derived from polyol	246	In presence of water
227	Ester derived from an	247	Contains nontransition
	unsaturated carboxylic acid	= = 7	metal atom
228	At least two polymers	248	Specified material contains
	derived from carboxylic acid	-	a carbon or hydrogen atom
	ester reactants		bonded directly to a metal
229	Ester derived from an		atom
	unsaturated alcohol	249	Metal atom is aluminum

250	<pre>Metal atom is Group IA   metal atom (Li, Na, K, Rb, Cs,   Fr)</pre>	271	Specified material contains a Group IA atom in elemental form or bonded to hydrogen or
251	Specified material contains a boron atom	272	carbonContains an atom other than
252	Specified material is a	2,2	Group IA, C, or H
	carbohydrate or is a solid synthetic polymer not intended to be in the final product	273	Specified material contains a compound containing a peroxy group, i.e., -0 0-
253	Material contains a free alcohol group or is alcoholate	274	Ethylenic reactant contains a metal atom
0.5.4	thereof	275	Ethylenic reactant contains
254	Specified material contains silicon atom	276	an acetylenic group
255	Specified material contains	276	Ethylenic reactant contains a fluorine atom
	a phosphorus atom	277	Ethylenic reactant contains a
256	Specified material contains		carbonate group
	a heterocyclic ring	278	Ethylenic reactant contains a
257	Specified material contains		carbamate group
	a ketone group	279	Ethylenic reactant contains
258	Specified material contains		nitrogen heterocycle, e.g.,
0=0	an ether group		pyridine, diazines, etc.
259	Specified material contains	280	Block copolymer
0.60	an organic nitrogen compound	281	Nitrogen heterocycle
260	Organic nitrogen compound		contains at least two nitrogen
	contains an azo group, i.e., - N=N-	282	atoms in the same ringImide
261	Specified material contains	283	Lactam
201	an organic sulfur compound	284	Ethylenic reactant contains a
262	Specified material contains	201	chalcogen heterocycle
202	a carboxylic acid or	285	Cyclic anhydride
	derivative	286	Three-membered ring
263	Specified material contains	200	containing two carbon and one
	a peroxy group, i.e., -0-0-		chalcogen atom
264	Contains nonperoxy compound	287	Ethylenic reactant contains a
	or inorganic peroxy compound		phosphorus atom
265	Aromatic or cycloaliphatic	288	Ethylenic reactant contains
	peroxy compound		atoms other than C, H, O, N, S,
266	Specified material contains	000	or Cl
065	an organic chalcogen compound	289	Ethylenic reactant contains a
267	Including step of preparing a	000	fused- or bridged-ring system
	polymer in the presence of a specified material and in the	290	Dicyclopentadiene-containing
	absence of a preformed polymer	291	Ethylenic reactant contains a
	derived from ethylenic		sulfur atom
	reactant only	292	Ethylenic reactant contains a
268	Specified material contains		chlorine atom and is other
	a transition metal atom		than vinyl(idene) chloride
269	Transition metal is other	293	Ethylenic material contains a
	than Group IVB, VB, or VIB		nitrogen atom and is other
0.77.0	metal atom		than (meth)acrylonitrile
270	With nonmetal,	294	Block copolymer derived from
	nonhydrocarbon compound		nitrogen-containing reactant

# 525 - 14 CLASS 525 SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES

295	Nitrogen atom is part of a	313	Ethylenic reactant contains
	nitrile group and is other		at least two unsaturated
296	than (meth)acrylonitrileNitrogen atom is part of a		groups and is devoid of an aromatic group
200	carboxylic acid amide group	314	Block copolymer derived from
297	Ethylenic reactant contains a		reactant containing at least
200	cycloaliphatic group		two unsaturated groups and is free of an aromatic group
298	Ethylenic reactant contains an oxygen atom	315	Ethylenic reactant reacted
299	Block copolymer derived from		in the presence of a solid
	oxygen-containing reactant		polymer substrate derived from
300	Oxygen atom is part of a ketone or ketene group		reactant containing two unsaturated groups and is
301	Oxygen atom is part of a		devoid of an aromatic group
	carboxylic acid group	316	Ethylenic reactant is an
301.5	Unsaturated fatty acid	317	aromatic hydrocarbonEthylenic reactant is
	<pre>derived from a naturally occurring glyceride, tall oil,</pre>	517	vinyl(idene) chloride
	or an unsaturated fatty acid	318	Block copolymer derived from
	derived from tall oil	210	vinyl(idene) chloride
302	Oxygen atom is part of a carboxylic acid ester group	319	Ethylenic reactant is acyclic hydrocarbon
303	Ester contains an oxygen	320	Acyclic hydrocarbon contains
	atom other than as a		five or more carbon atoms
204	carboxylic acid ester group	321	Block copolymer derived from acyclic hydrocarbon
304	Ester contains at least two carboxylic acid ester groups		containing five or more carbon
305	Ester is derived from a		atoms
	polyol	322	Acyclic hydrocarbon is
306	Ester is derived from an unsaturated alcohol	323	propyleneBlock copolymer derived
307	Ester is derived from an	323	from propylene
	unsaturated carboxylic acid	324	Acyclic hydrocarbon is
200	and an unsaturated alcohol	326.1	ethyleneChemically after treated solid
308	Ester is derived from an unsaturated carboxylic acid	320.1	polymers derived from
309	Ester derived from an		ethylenically unsaturated
	unsaturated carboxylic acid is	326.2	monomers only
	reacted in the presence of a solid polymer	320.2	Polymer derived from fluorine monomer
310	Ester reactant derived	326.3	Vulcanized or crosslinked in
	from an unsaturated carboxylic		presence of chemical treating
	acid is reacted in the	326.4	agentHalogen containing chemical
	<pre>presence of a solid polymer substrate derived from a</pre>	520.1	treating agent; or
	polyene hydrocarbon		dehalogenated
311	Ester reactant derived from	326.5	Polymer derived from silicon
	an unsaturated alcohol is reacted in the presence of a	326.6	monomerPolymer derived from monomer
	solid polymer		containing atom other than: C,
312	Oxygen atom is part of an		H, N, O, S, halogen or group IA
	ether group	326.7	or IIA carboxylatePolymer derived from monomer
		223.,	containing nitrogen atom as
			part of a heterocyclic ring

326.8	Oxygen atom in ring or bonded directly to the nuclear	328.7	Polymer derived from aldehyde monomer
326.9	carbon of ring monomerLactam monomer, e.g., vinyl	328.8	Polymer derived from alcohol monomer
327.1	<pre>pyrrolidone, etc6 membered ring containing 5</pre>	328.9	Polymer derived from ether
327.1	carbons and 1 nitrogen, monomer, e.g., vinyl pyridine, etc.	329.1	<pre>monomerPolymer derived from acrylonitrile or methacrylonitrile monomer</pre>
327.2	Polymer derived from monomer containing chalcogen as part of heterocyclic ring other than solely as cyclic anhydride of ethylenically	329.2 329.3 329.4	InterpolymersContains monomer having two or more ethylenic groupsPolymer derived from acrylamide or methacrylamide
327.3	unsaturated dicarboxylic acidThree membered chalcogen ring monomer, e.g., oxirane, etc.	329.5	<pre>monomerPolymer derived from   carboxylic acid or derivative   monomer other than: vinyl</pre>
327.4	<pre>Polymer derived from   carboxylic acid anhydride   monomer</pre>		<pre>acetate; or acrylic-or- methacrylic-acid, or derivatives</pre>
327.5	Sulfur containing chemical treating agent	329.6	Butene dioic acid or derivative monomer
327.6	Nitrogen containing chemical treating agent other than unsubstituted ammonium as sole	329.7	Polymer derived from acrylic or methacrylic acids, acid halides or salt monomers
327.7	<pre>nitrogenEsterified, i.e., preparation of COOR linkage</pre>	329.8	<pre>Sulfur or phosphorus   containing chemical treating   agent</pre>
327.8	Hydrolyzed; neutralized; or metal containing chemical	329.9	Nitrogen containing chemical treating agent
327.9	treating agentPolymer from unsaturated	330.1	Esterified, i.e., preparation of COOR linkage
328.1	<pre>petroleum hydrocarbon fraction   as monomerPolymer derived from</pre>	330.2	<pre>Hydrolyzed; neutralized; or metal containing chemical treating agent</pre>
328.2	acetylenic monomerPolymer derived from monomer	330.3	Polymer derived from acrylic or methacrylic esters, or
	containing nitrogen other than: unsubstituted ammonium, acrylonitrile, acrylamide, methylolacrylamide and the	330.4	<pre>vinyl acetate monomerSulfur or phosphorus   containing chemical treating   agent</pre>
	corresponding methacryl materials	330.5	Nitrogen containing chemical treating agent
328.3	At least one monomer containing two or more ethylenic groups	330.6	<pre>Alcoholized; transesterified; hydrolyzed; or metal containing chemical</pre>
328.4	<pre>Monomer containing two or   more nitrogen atoms, or two or   more nitrogen containing</pre>	330.7	treating agent; e.g., saponified, etcPolymer derived from halogen
328.5	monomersPolymer derived from sulfur	330.8	monomerAt least one monomer
328.6	monomerPolymer derived from ketone monomer		contains two or more ethylenic groups

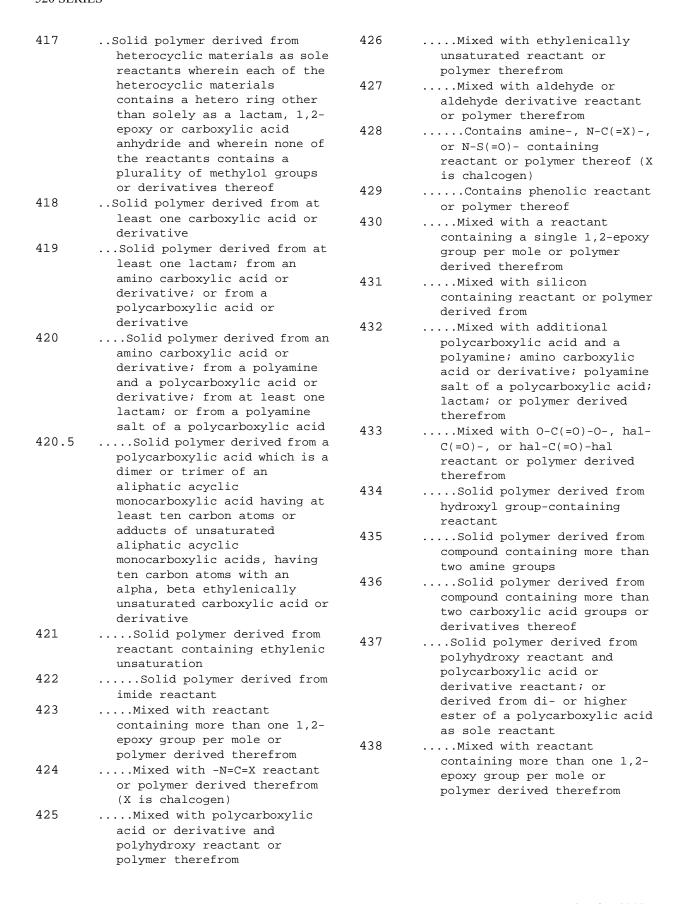
# 525 - 16 CLASS 525 SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES

330.9	<pre>Vulcanized or crosslinked, in the presence of a chemical</pre>	333.6	<pre>Nitrogen containing chemical treating agent</pre>
	<pre>treating agent, e.g., cured, etc.</pre>	333.7	Polymer derived from acyclic hydrocarbon monomer only
331.1	Nitrogen containing chemical treating agent	333.8	Air, elemental oxygen, ozone or peroxide chemical treating
331.2	Halogen containing chemical		agent
	treating agent	333.9	Sulfur containing chemical
331.3	Nitrogen containing		treating agent
	chemical treating agent	334.1	Halogenated polymer
331.4	Monomer contains chlorine	337	Chemical treating agent
331.5	Vinyl chloride or		contains boron or boron-
	vinylidene chloride		containing compound other than
331.6	Halogen containing		boron trihalide or nonmetal
	chemical treating agent		complex thereof
331.7	Ethylene-propylene	338	Chemical treating agent
	terpolymer, e.g., EPT, EPDM,		contains elemental hydrogen or
	EPR, etc.		an elemental hydrogen-
331.8	Sulfur containing chemical		liberating compound, e.g.,
	treating agent		hydrogenation, etc.
331.9	Polymer derived from monomer	339	Treating in the presence of
	containing at least two		an elemental metal or
	ethylenic groups or diene	2.4.0	inorganic metallic compound
	rubber	340	Chemical treating agent
332.1	Monomer contains non-	2.41	contains a phosphorus atom
	conjugated diene group or at	341	Contains a sulfur atom
	least one fused or bridged	342	Chemical treating agent
	ring or at least one	242	contains a silicon atom
332.2	cycloaliphatic structure	343	Chemical treating agent contains a sulfur atom
332.2	Divinyl benzeneHalogen containing chemical	344	Inorganic sulfur compound
334.3	treating agent	344	contains sulfur atom bonded to
332.4	Sulfur containing chemical		at least two oxygen atoms
	treating agent	345	With peroxide, ozone, or free
332.5	Vulcanized in the presence		oxygen
	of a chemical treating agent,	346	With sulfur-free organic
	e.g., cured, crosslinked, etc.	0.45	compound
332.6	Sulfur containing chemical treating agent	347	Sulfur-free organic compound contains heterocyclic nitrogen
332.7	Nitrogen containing	348	Sulfur-containing
	chemical treating agent		heterocyclic compound
332.8	Interpolymer with aliphatic	349	Heterocyclic ring contains
	hydrocarbon monomer (includes		sulfur and nitrogen atoms
	additional diene monomer)	350	Mercaptan or mercaptide
332.9	Interpolymer with aromatic	351	Organic compound contains
	hydrocarbon		sulfur and nitrogen atoms
333.1	Isoprene or diene rubber	352	One or more sulfur atoms of
	other than butadiene rubber		the nitrogen-containing
333.2	Butadiene homopolymer		compound are double bonded to
333.3	Polymer derived from aromatic	252	carbon
	hydrocarbon monomer, e.g.,	353	Sulfur compound contains
222 4	styrene, etc.		sulfur atom bonded to at least
333.4	Halogenated polymer		two oxygen atoms, e.g.,
333.5	Sulfur containing chemical		sulfonate, etc.
	treating agent		

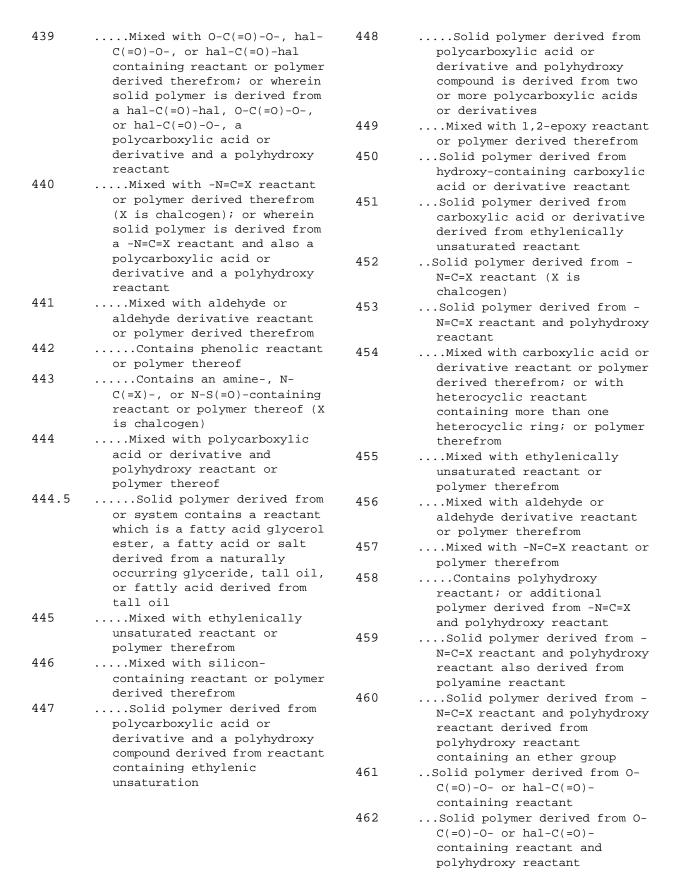
354	Elemental sulfur or inorganic	368	Metal oxide
355	sulfur compoundChemical treating agent contains hydrogen halide, elemental halogen, organic halogen-containing compound, or compound containing only	369 370	Metal hydroxideContains Group IB (Cu, Ag, Au), IIB (Zn, Cd, Hg), IIIA (Al, Ga, In, Tl), IV (Ti, Zr, Hf, Ge, Sn, Pb), and VIII (Fe, Co, Ni, Ru, Rh, Pd, Os, Ir, Pt)
356	halogen atomsTreating in the presence of elemental halogen	371	<pre>elemental metal or compound   thereofElemental metal or inorganic</pre>
357	Treating in the presence of		compound thereof
250	a metal or metal-containing compound	372 373	Group IIB metal (Zn, Cd,
358	Treating in the presence of water	374	<pre>Hg) oxideChemical treating agent is a</pre>
359.1	Treating in the presence of		nitrogen-containing compound
	organic halogen-containing compound	375	Contains nitrogen atom in a heterocyclic ring
359.2	<pre>0rganic halogen-containing compound contains a hetero ring</pre>	376	Nitrogen-containing compound has at least one nitrogen-to-nitrogen bond
359.3	Organic halogen-containing compound contains oxygen	377	Nitrogen-containing compound contains at least one nitrile
359.4	Organic halogen-containing compound contains a (C=0)0 group or an aromatic group		or isonitrile group; or a nitrogen-to-oxygen bond which is other than as an amine or
359.5	<pre>Organic halogen-containing compound contains only carbon, hydrogen, and halogen</pre>	378	<pre>ammonium saltAmmonia, ammonium hydroxide, or salts thereof</pre>
359.6	Organic halogen-containing	379	Organic amine
	compound contains an aromatic group	380	Amine contains a hydroxyl group
360	Chemical treating agent	381	Three or more amine groups
	contains elemental metal or	382	Two amine groups
	metal-containing compound	383	Chemical treating agent
361	<pre>Two or more diverse elemental   metals or compounds thereof;</pre>		contains elemental oxygen or oxygen-containing compound
	or same metal in two or more	384	Oxygen compound contains at
	distinct compounds; or diverse		least one alcohol group
362	metals in same compoundElemental metal or inorganic	385	Oxygen compound contains an
302	compound thereof only	386	ether group
363	Aluminum or Group IIB (Zn,	386	<pre>Oxygen compound is a   carboxylic acid, ester,</pre>
	Cd, Hg) metal or compound		anhydride, or lactone thereof
	thereof	387	Oxygen compound contains a
364	Organometallic compound and		peroxy group (-0-0-)
	elemental metal or inorganic compound thereof	388	Specified oxygen-containing compound is air, elemental
365	Aluminum metal or compound thereof		oxygen, or ozone
366	Contains Group IA (Li, Na, K,	389	Solid polymer derived from reactant containing atoms
	Rb, Cs, Fr) or Group IIA (Be, Mg, Ca, Sr, Ba, Ra) elemental metal or compound thereof		other than C, H, N, Si, P, chalcogen, halogen, or an alkali or alkaline earth metal
367	Elemental metal or inorganic metal compound		in salt form

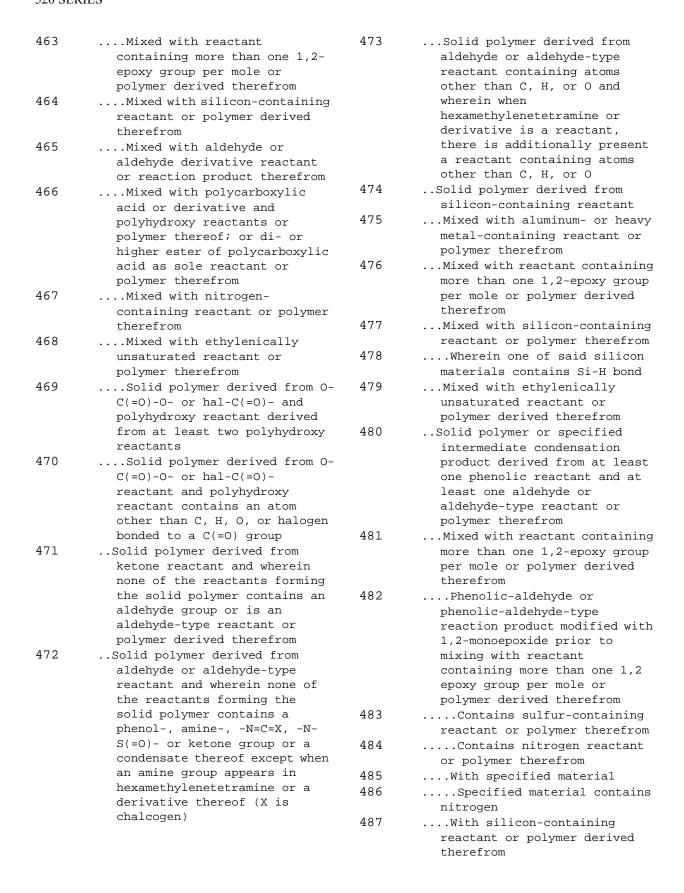
#### 525 - 18 CLASS 525 SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES





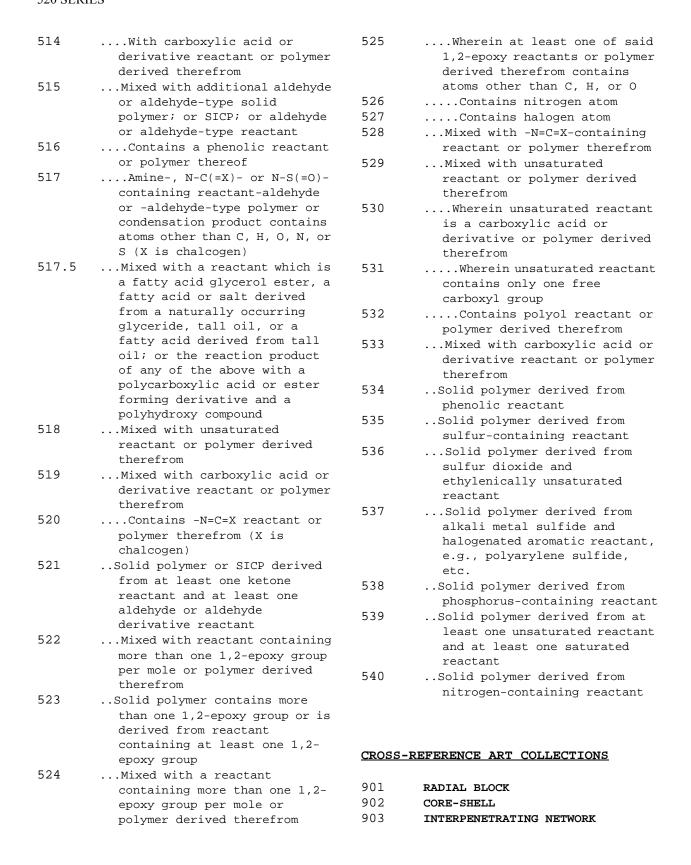
#### 525 - 20 CLASS 525 SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES





# 525 - 22 CLASS 525 SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES

488	With carboxylic acid or derivative reactant or polymer derived therefrom	501	Additional phenol-aldehyde- or -aldehyde-type polymer, condensation product or
489	With additional aldehyde or aldehyde-type reactant or polymer therefrom which is distinct from aldehyde or aldehyde-type reactant used in forming solid polymer or SICP; or with nitrogen-containing reactant	501.5	reactants therefromMixed with reactant which is a fatty acid glycerol ester, a fatty acid or salt derived from a naturally occurring glyceride, tall oil, or a fatty acid derived from tall oil; or the reaction product
490	Wherein phenolic-aldehyde or phenolic-aldehyde-type solid polymer or SICP contains nitrogen or ethylenic	500	of any of the above with a polycarboxylic acid or ester forming derivative and a polyhydroxy compound
491	unsaturationMixed with additional aldehyde or aldehyde-type reactants which are part of a SPFI	502 503	<ul><li>Mixed with unsaturated reactant or polymer derived therefrom</li><li>Mixed with aldehyde or</li></ul>
492	system or polymer thereofAdditional material is a		aldehyde-type chemical treating agent
	hydrocarbon-aldehyde- or hydrocarbon-aldehyde-type	504	Mixed with nitrogen-containing chemical treating agent
	<pre>polymer, condensate, or reactants therefrom</pre>	505	Mixed with sulfur-containing chemical treating agent
493	Additional material is	506	Mixed with a boron- or
	<pre>ketone-aldehyde- or ketone- aldehyde-type polymer,</pre>		<pre>polyvalent metal-containing chemical treating agent</pre>
	condensate, or reactants thereof	507	Mixed with an 1,2-epoxy- containing chemical treating
494	Contains nitrogen-containing		agent
495	reactant or polymer therefromAdditional material is amine- , N-C(=X)-, or N-S(=0)-	508	Mixed with carboxylic acid- or derivative-containing chemical treating agent
	<pre>containing reactant- aldehyde or -aldehyde derivative polymer, condensate, or reactants therefrom (X is chalcogen)</pre>	509	<pre>Solid polymer or SICP derived   from at least one amine-, N-   C(=X)- or N-S(=0) containing   reactant and at least one   aldehyde or aldehyde-type</pre>
496	Contains 1,2-epoxy- containing reactant or polymer	510	reactant (X is chalcogen)Mixed with reactant containing
497	<pre>derived therefromHeterocyclic nitrogen reactant or polymer therefrom,</pre>		<pre>more than one 1,2-epoxy group per mole or polymer derived therefrom</pre>
498	<pre>e.g., melamine, etcN-C(=X)-N-containing reactant or polymer, e.g., urea, etc. (X is chalcogen)</pre>	511 512	With specified materialAmine-, N-C(=X)- or N-S(=O)- containing reactant (X is chalcogen) aldehyde or a -
499	<pre>Contains sulfur reactant or polymer therefrom</pre>		aldehyde-type condensation product or polymer thereof
500	Wherein the phenolic- aldehyde- or phenolic-		contains atoms other than C, H, O, N, or S
	aldehyde-type solid polymer or SICP is derived from a reactant or polymer containing an atom other than C, H, or O	513	With sulfur-containing reactant or polymer therefrom



# 525 - 24 CLASS 525 SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES

904	ACTIVATION OF PREFORMED POLYMER IN ABSENCE OR MONOMER, FOR SUBSEQUENT POLYMERIZATION THEREON (E.G., TRAPPED RADICALS)	925	POLYMER FROM AT LEAST ONE NONETHYLENIC MONOMER HAVING TERMINAL ETHYLENIC UNSATURATION OTHER THAN POLYURETHANES, POLYESTERS,
905	POLYPHENYLENE OXIDE		POLYEPOXIDES, AMINOPLASTS, AND
906	POLYSULFONE		PHENOPLASTS
907		926	POLYAMIDE CONTAINING A PLURALITY
	POLYCARBODIIMIDE	220	OF OXYALKYLENE GROUPS
908	POLYMER CONTAINING A HYDANTOIN	927	
	GROUP	921	POLYAMIDE ADMIXED WITH
909	POLYMER HAVING A HETEROCYCLIC		OXYALKYLENE-CONTAINING POLYMER
	RING WITH AT LEAST THREE	928	POLYIMIDE OR POLYAMIDE-ACID
	DIFFERENT ELEMENTS WITHIN THE		FORMED BY CONDENSATION OF A
	RING		POLYAMINE WITH A
910	POLYMER FROM ETHYLENIC MONOMERS		POLYCARBOXYLIC ACID HAVING AT
	ONLY, HAVING TERMINAL		LEAST THREE CARBOXYL GROUPS OR
	UNSATURATION		DERIVATIVES THEREOF
911	POLYMER FROM ETHYLENIC MONOMERS	929	POLYIMIDE FORMED BY ADDITION OF
7	ONLY, HAVING TERMINAL		POLYAMINE TO AN UNSATURATED
	FUNCTIONAL GROUP OTHER THAN		BIS-IMIDE
	UNSATURATION	930	REACTION PRODUCT OF A POLYHYDRIC
912	POLYMER FROM NONETHYLENIC		PHENOL AND EPICHLOROHYDRIN OR
912			DIEPOXIDE, HAVING A MOLECULAR
	MONOMERS ONLY, HAVING PENDANT		WEIGHT OF OVER 5,000 (E.G.,
012	UNSATURATED GROUP		PHENOXY RESINS)
913	POLYMER FROM MONOMERS ONLY HAVING	931	BLEND OF STATED INCOMPATIBILITY
	PENDANT GLYCIDYL GROUP		
914	POLYMER FROM CONJUGATED DIENE	932	BLEND OF MATCHED OPTICAL
	HYDROCARBON OR		PROPERTIES
	HALOHYDROCARBONS HAVING MORE	933	BLEND OF LIMITED GAS PERMEABILITY
	THAN 50 PER CENT 1,2-	934	POWDERED COATING COMPOSITION
	MICROSTRUCTURE	935	MATRIX ADMIXED WITH SYNTHETIC
915	POLYMER FROM MONOETHYLENIC CYCLIC		FIBER
	HYDROCARBON	936	ENCAPSULATED CHEMICAL AGENT
916	POLYMER FROM ETHYLENIC MONOMERS	937	UTILITY AS BODY CONTACT (IMPLANT,
	ONLY, HAVING CATIONIC GROUP		CONTACT LENS, I.U.D., ETC.)
917	POLYMER FROM AT LEAST ONE	938	POLYMER DEGRADATION
	NONETHYLENIC MONOMER HAVING	939	MULTIPACKAGE SYSTEM
	CATIONIC GROUP	940	HYDROGENATION OF A POLYMER
918	POLYMER PREPARED BY CATIONIC	941	POLYMER MIXTURE CONTAINING BLOCK
710	POLYMERIZATION	741	COPOLYMER IS MIXED OR REACTED
919			
919	IONOMER RESINS (CARBOXYLATE SALT-	0.4.0	WITH CHEMICAL TREATING AGENT
000	CONTAINING COPOLYMERS)	942	POLYMER DERIVED FROM NITRILE,
920	POLYURETHANE HAVING TERMINAL		CONJUGATED DIENE AND AROMATIC
	ETHYLENIC UNSATURATION		CO-MONOMERS
921	POLYESTER HAVING TERMINAL		
	ETHYLENIC UNSATURATION OTHER THAN POLYESTERURETHANES		
922	POLYEPOXIDE POLYMER HAVING BEEN	FORETON	ART COLLECTIONS
	REACTED TO YIELD TERMINAL	_	
	ETHYLENIC UNSATURATION		OI ACC DELAMED EODETCH DOCUMENTO
923	AMINOPLAST HAVING TERMINAL	TOK UUU	CLASS-RELATED FOREIGN DOCUMENTS
	ETHYLENIC UNSATURATION		
924	PHENOPLAST HAVING TERMINAL		
	ETHYLENIC UNSATURATION		